

MANUFACTURE OF GLUCOSE-CONTAINING STEAM-STERILIZED LIQUID AND TOOL USED THEREFOR

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Abstract

PURPOSE: To obtain a steam-sterilized glucose-containing liquid by separately storing the first liquid containing glucose and the second liquid containing a component accelerating the heat decomposition of glucose in two containers, sealing and steam-sterilizing them, and removing a bulkhead from the outside of a pipe to sterily mix both liquids.

CONSTITUTION: A liquid containing glucose is stored in the first container 1, a liquid containing citrate or phosphate accelerating the heat decomposition of glucose is stored in the second container 2, two containers 1, 2 are connected with a pipe 3, a bulkhead 4 removable from the outside is provided in the pipe 3 so that the liquids in two containers are not mixed, and the combination of containers 1, 2 are steam-sterilized. Steam sterilization is performed under the conditions normally employed for the sterilization of medical articles. After sterilization is completed, the bulkhead 4 of the pipe 3 is removed to communicate two containers 1, 2, and the liquid is moved from the second container 2 to the first container 1 to mix both liquids. The pipe 3 is sealed and cut at the position 5, and a steam-sterilized liquid containing glucose stored in the container 1 and also containing citrate or phosphate can be obtained.

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